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U. S. DEPT. OF AGRICULTURE  
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MAR 13 1965

**WATER SUPPLY OUTLOOK**  
and  
**FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS**  
for  
**UTAH**

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,  
and  
STATE ENGINEER of UTAH

In cooperation with U.S. Forest Service, Bureau of Reclamation,  
Utah Fish and Game Dept., Utah Agricultural Experiment Station,  
U.S. National Park Service, U.S. Geological Survey; and other  
Federal, State, and private organizations.

||||||| AS OF |||||  
**MAR. 1, 1965**

# UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

## To Recipients of Water Supply Outlook Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from advance estimates of the streamflow.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, up to 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

Streamflow forecasts are obtained by a comparison of total or maximum snow accumulation, as measured by snow water equivalent, to the subsequent spring and summer or snowmelt season runoff over a period of years. The snow water equivalent measured in selected snow courses provides most of the index to the streamflow forecast for the following season. More accurate forecasts are usually obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast procedure. Early season forecasts assume average climatic conditions through the snowmelt season.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions. Soil Conservation Service Reports may be secured from Soil Conservation Service, 511 N.W. Broadway - Room 507, Portland, Oregon 97209.

### PUBLISHED BY SOIL CONSERVATION SERVICE

<u>REPORTS</u>	<u>ISSUED</u>	<u>LOCATION</u>	<u>COOPERATING WITH</u>
<b>RIVER BASINS</b>			
WESTERN UNITED STATES _____	MONTHLY (FEB.-MAY) _____	PORTLAND, OREGON _____	ALL COOPERATORS
BASIC DATA SUMMARY _____	OCTOBER 1 _____	PORTLAND, OREGON _____	ALL COOPERATORS
<b>STATES</b>			
ALASKA _____	MONTHLY (MAR.-MAY) _____	PALMER, ALASKA _____	ALASKA S.C.D.
ARIZONA _____	SEMI-MONTHLY (JAN.15 - APR.1) _____	PHOENIX, ARIZONA _____	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO _____	MONTHLY (FEB.-MAY) _____	FORT COLLINS, COLORADO _____	COLO. STATE UNIVERSITY COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO _____	MONTHLY (JAN.-JUNE) _____	BOISE, IDAHO _____	IDAHO STATE RECLAMATION ENGINEER
MONTANA _____	MONTHLY (JAN.-JUNE) _____	BOZEMAN, MONTANA _____	MONT. AGR. EXP. STATION
NEVADA _____	MONTHLY (JAN.-MAY) _____	RENO, NEVADA _____	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES DIVISION OF WATER RESOURCES
OREGON _____	MONTHLY (JAN.-JUNE) _____	PORTLAND, OREGON _____	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH _____	MONTHLY (JAN.-JUNE) _____	SALT LAKE CITY, UTAH _____	UTAH STATE ENGINEER
WASHINGTON _____	MONTHLY (FEB.-JUNE) _____	SPOKANE, WASHINGTON _____	WN. STATE DEPT. OF CONSERVATION
WYOMING _____	MONTHLY (FEB.-JUNE) _____	CASPER, WYOMING _____	WYOMING STATE ENGINEER

### PUBLISHED BY OTHER AGENCIES

<u>REPORTS</u>	<u>ISSUED</u>	<u>AGENCY</u>
BRITISH COLUMBIA _____	MONTHLY (FEB.-JUNE) _____	WATER RESOURCES SERVICE, DEPT. OF LANDS, FOREST AND WATER RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA _____	MONTHLY (FEB.-MAY) _____	CALIF. DEPT. OF WATER RESOURCES, P.O. BOX 388, SACRAMENTO, CALIF.



**WATER SUPPLY OUTLOOK**  
and  
**FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS**  
for  
**UTAH**

MARCH 1, 1965

*Report prepared by*

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*and*

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SOIL CONSERVATION SERVICE  
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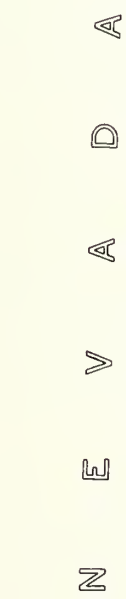
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UTAH AGRICULTURAL  
EXPERIMENT STATION  
LOGAN, UTAH



## Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

Approximate Date







# WATER SUPPLY OUTLOOK

as of

MARCH 3, 1965

\* \* \* \* \*  
\*The water outlook is generally fair for most \*  
\*of southern Utah, while in central and north-\*  
\*ern areas it is good to excellent. Storage \*  
\*in the reservoirs of southern and eastern \*  
\*Utah is 110% of last year and 61% of average.\*  
\*In central and northern reservoirs it is 136%\*  
\*of last year and 100% of average. \*  
\* \* \* \* \*

February snowfall was generally near 40% to 60% of average on most mountain watersheds of the state, reducing the threat of potential high water damage in central and northern Utah, but increasing concern about an adequate water supply from the East Fork of the Sevier river, the Escalante and Paria rivers. In this latter area, streamflow is expected to be only two thirds of average.

In the rest of southern Utah the water outlook is fair, with forecasts ranging from about 75% to average amounts for the South Fork Sevier, the Virgin and Beaver rivers, smaller streams near Cedar City and Fillmore, inflow to the Sevier river from Kingston to Vermillion Dam and in southeastern areas near Moab, Monticello and Blanding. Inflow to the Sevier river from Vermillion Dam to Gunnison is expected to be 10% above average.

In northern Utah, the highest streamflow forecasts are for East Canyon Creek near Morgan at 176% and Parleys Creek near Salt Lake at 165%. Although this represents a very heavy runoff potential, it is only two thirds the amount these streams produced in 1952. Also, in 1952 the streams reached their peak during a period of sustained above normal temperatures the latter part of April and in early May. If temperatures are normal or below this spring, the peak flows will be further reduced in comparison to 1952. The present forecast indicates that these streams will yield essentially the same amount of water that they did in 1950.

Although the higher elevation snowpack approaches or equals that of 1952 on the streams near Salt Lake, at the headwaters of the Weber, Provo, Duchesne and Bear rivers, near Farmington, Ogden and Logan, the situation is much different at the intermediate and lower elevations. The lower elevation snowpack now varies from about 65% to 110% of average, the intermediate elevations from about 110% to 135%. In 1952 the lower elevation snowpack was 150% to over 300% of average, the intermediate elevations from about 150% to 250%.

The years when the greatest high water problems have developed have always been years when record or near record snowpack has existed on the low and intermediate watersheds. A wet, cold March and April could develop a situation comparable to 1952, but it does not exist now. This does not mean that we can't expect some high water problems this spring, but the present outlook is that they will not anywhere near approach those of 1952.



## WATER SUPPLY OUTLOOK (continued)

Although Big and Little Cottonwood Creeks near Salt Lake have a heavy snowpack at the higher elevations, if snowfall and temperatures are average for the spring months, the April-September streamflow for Big Cottonwood Creek will be 13% above average, or essentially the same as measured last year(1964). Little Cottonwood Creek will flow at 18% above average, about 3% more than in 1962 and 10% more than last year. It should be remembered that we had a dry summer and fall which left the soils drier than normal underneath these higher elevation snows. This, combined with the lesser amounts of snow at the lower elevations, holds the forecasts down lower than would otherwise be expected.

Other areas where considerably above normal streamflow is forecast include Chalk Creek at Coalville (153%), Bear river at Woodruff (150%), Logan river (147%), Weber at Coalville(145%) and at Oakley (134%), Provo river at Hailstone(142%), Provo at Vivian Park (139%), Duchesne near Tabiona (138%), Strawberry river at Duchesne(132%). In south central Utah, heavy runoff is also expected from the tributaries of the San Rafael and Muddy rivers, and Salina Creek. These streams are expected to flow at about 130% to 145% of average. High water problems could develop on the Provo river near Woodland, depending on how much water is brought through the Duchesne tunnel. The watershed above the tunnel intake has a potential of 55,000 acre feet during the April-September period. This is 157% of average.

Potential problems on the Provo between Woodland and Deer Creek reservoir will also depend on how much water is brought from the Weber river thru the Weber-Provo diversion canal.

Of the streams draining into Utah Lake, only the Provo river has an exceptionally high runoff potential. The American Fork river is forecast at 9% above average, the remaining streams at 15% to 20% above average. Net inflow to Utah Lake is expected to be only slightly above average (forecast is 101%), since the forecast here is affected by a carryover ground water influence from previous drier years. The outlook for the streams in Sanpete County is good, with forecasts ranging from about 110% to 125%. Inflow to Scofield reservoir on the Price river is forecast at 127%. In the Uintah Basin the snowpack falls off rapidly east of the Duchesne river and Rock Creek. The Rock Creek forecast is 127%, Lakefork river below Moon Lake is 118%, with forecasts decreasing to 96% on Ashley Creek near Vernal.

In Cache Valley, although the Logan river forecast of 195,000 acre feet(147%) for the April-September period is more than the 168,600 acre feet measured in 1952, it is less than the 1950 flow of 213,800 acre feet. Since cool spring temperatures in 1950 kept the peak flow lower than would have ordinarily occurred, normal or above temperatures could make this year's peak equal or exceed the 1950 peak. Because the low and intermediate elevation snowpack is so much less than on the higher watersheds, the lower watersheds in Cache Valley are expected to produce much less than the Logan river. The Little Bear near Paradise is expected to yield an average flow, while the Blacksmith Fork near Hyrum is forecast at 16% above average. Expected inflow to Pineview reservoir on the Ogden river is 129%.

Snowfall during the month in Wyoming and Colorado was also below normal, and has resulted in some lowering of the forecasts for the main Colorado river tributaries. The April-July inflow to Flaming Gorge on the Green River is now expected to be 1,350,000 acre feet, or 120% of the 1948-62 average. Inflow to Lake Powell is forecast at 9,300,000 acre feet, or 121% of the average for the same time period.





# UTAH STREAMFLOW FORECASTS <sup>a</sup> ( 1,000 Ac. Ft. )

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE <sup>b</sup>	THIS YEAR AS PERCENT OF AVERAGE
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## GREAT BASIN

### BEAR RIVER SYSTEM

Bear at Harer, Idaho	460	Apr-Sept	289	258	178
Bear near Randolph	160	Apr-Sept	107	94	170
Bear nr Ut-Wyo State Line	155	Apr-Sept	123	115	135
Bear nr Woodruff	175	Apr-Sept	148	117	150
Big Crk nr Randolph, Utah	10.8	Apr-Sept	3.9	8.6*	125
Blacksmith Fork nr Hyrum (4)	73	Apr-Sept	49	63	116
Little Bear nr Paradise	42	Apr-Sept	42	42	100
Logan nr Logan (3)	195	Apr-Sept	123	133	147
Smith's Fork nr Border, Wyoming	175	Apr-Sept	123	112	156
Woodruff Crk nr Woodruff, Utah	22	Apr-Sept	15.8	17.6*	125

### WEBER-OGDEN RIVERS

Chalk Crk at Coalville	55	Apr-Sept	42	36	153
East Canyon Crk nr Morgan (7)	45	Apr-Sept	26.2	25.6	176
Lost Crk nr Croydon, Utah	24	Apr-Sept	15.5	18.1	132
Pineview Reservoir Inflow (8)	166	Mar-July	115	129	129
So. Fork Ogden nr Huntsville	78	Apr-Sept		62	126
Wanship Reservoir Inflow (5)	155	Apr-July	137	117*	132
Weber nr Coalville (6)	185	Apr-Sept		128	145
Weber nr Oakley	132	Apr-June	105	100	132
	165	Apr-Sept	136	123	134

### PROVO RIVER & UTAH LAKE

American Fork nr American Fork	36	Apr-Sept	33	33	109
Hobble Crk nr Springville	25	Apr-Sept		21.2	118
Payson Creek nr Payson	8.5	Apr-Sept		7.3	116
Provo nr Hailstone (10)	155	Apr-Sept		109*	142
Provo at Vivian Park (11)	200	Apr-Sept		144	139
Spanish Fork at Thistle	48	Apr-Sept		40	120
Strawberry Reservoir Inflow (9)	60	Apr-Sept		50	120
Utah Lake Inflow	285	Apr-Sept		282	101

### JORDAN RIVER & SALT LAKE

Big Cottonwood nr SLC	44	Apr-Sept	43	39	113
Little Cottonwood Crk nr SLC	45	Apr-Sept	41	38	118
Parley's Crk nr SLC	22	Apr-Sept	16.2	13.3	165

(1) Measured flow plus change in storage in Woodruff Narrows Reservoir. (2) Measured flow plus change in storage in Porcupine Reservoir. (3) Includes U.P. & L. Co. tailrace and Logan, Hyde Park & Smithfield Canal. (4) Above Utah Power & Light Company's dam. (5) Observed flow Weber River near Wanship, Utah, plus change in storage in Wanship Reservoir, plus diversion by Weber-Provo Canal. (6) Includes diversion by Weber-Provo Canal and change in storage in Wanship Reservoir. (7) Observed flow plus change in storage in East Canyon Reservoir. (8) Inflow record as computed by U.S. Bureau of Reclamation. (9) Change in storage plus diversion thru Strawberry tunnel. (10) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal. (11) Observed flow plus change in storage in Deer Creek reservoir, minus diversions thru Duchesne tunnel & Weber-Provo Canal, plus diversion thru Salt Lake Aqueduct.





UTAH STREAMFLOW FORECASTS <sup>a</sup> ( 1,000 Ac. Ft. )

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE <sup>b</sup>	THIS YEAR AS PERCENT OF AVERAGE
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SEVIER RIVER

Chalk Creek nr Fillmore	17	Apr-Sept		16.7	102
Clear Crk nr Sevier (abv.Div.)	12	Apr-June	13.5	12.9*	93
East Fork Sevier nr Kingston(12)	9	Apr-June		15.8	57
	13	Apr-Sept		19.8	66
Inflow					
Kingston to Vermillion Dam	30	Apr-June		39	77
Vermillion Dam to Gunnison	65	Mar-June		59	110
Salina Crk at Salina (14)	15.5	Apr-June		8.3*	187
Sevier nr Circleville	32	Apr-Sept	24.1	40*	80
Sevier nr Gunnison a	55	Apr-Sept	32	55	100
Sevier at Hatch	26	Apr-June	25.4	32	81
	38	Apr-Sept	35	45	84
Sevier nr Kingston	13	Apr-June	10.5	21.0	62
	17	Apr-Sept	11.9	25.5	67
Sevier below Piute Dam (13)	31	Apr-Sept		45	69

SAN PITCH RIVER

Ephraim Creek nr Ephraim	18.5	Apr-Sept		15.2	122
Pleasant Crk nr Mt. Pleasant	11	Apr-Sept		9.7*	113
Twin Crk nr Mt. Pleasant	5.5	Apr-Sept		4.7*	117

BEAVER RIVER

Beaver nr Beaver	15.5	Apr-June	14.4	18.0	86
	21	Apr-Sept	20.5	24.3	86
Rockyford Reservoir Inflow (15)	4.5	Apr-June		7.8	58

COAL CREEK

Coal Crk nr Cedar City	13.5	Apr-Sept		16.0	84
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## COLORADO RIVER BASIN

## GREEN RIVER TRIBUTARIES IN UTAH

FLAMING GORGE TO DUCHESNE RIVER

Ashley Creek nr Vernal	54	Apr-Sept	54	56	96
Henry's Fork at Linwood	41	Apr-Sept		34	120

(12) Observed flow plus change in storage in Otter Creek Reservoir. (13) Observed flow plus change in storage in Otter Crk & Piute Reservoirs. (14) Gage is below diversions near Salina. (15) Observed flow at Rockyford Dam, corrected for change in storage in Rockyford Reservoir. (16) Observed flow plus diversion through Duchesne Tunnel.



# UTAH STREAMFLOW FORECASTS <sup>a</sup> ( 1,000 Ac. Ft. )

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE <sup>b</sup>	THIS YEAR AS PERCENT OF AVERAGE
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## DUCHESNE RIVER

Duchesne at Provo River (Trail nr Hanna)	55	Apr-Sept		35*	157
Duchesne nr Tabiona (16)	155	Apr-Sept		114	138
Lakefork below Moon Lake (17)	85	Apr-Sept	86	72	118
Rock Crk nr Mtn. Home	130	Apr-Sept	118	102	127
Strawberry at Duchesne	95	Apr-Sept		72	132
Uinta nr Neola	109	Apr-Sept	126	95	115
Whiterocks nr Whiterocks	64	Apr-Sept	73	63	102
Yellowstone nr Altonah	84	Apr-Sept	89	73	115

## PRICE RIVER

Gooseberry Crk nr Scofield	14	Apr-Sept	11.6	11.9	118
Scofield Reservoir Inflow (18)	47	Apr-Sept	33	37	127
Price nr Heiner (18)	88	Apr-Sept	48	68	129

## SAN RAFAEL RIVER

Cottonwood Crk nr Orangeville	78	Apr-Sept		55	142
Ferron Crk nr Ferron	58	Apr-Sept	33	42	138
Huntington Crk nr Huntington	74	Apr-Sept	46	56	132

## MUDDY RIVER

Muddy Creek nr Emery	32	Apr-Sept	18.2	22.8*	140
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## VIRGIN RIVER

Virgin nr Virgin	34	Apr-June	37	43	79
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## UPPER COLORADO BASIN

Colorado nr Cisco, Utah	5,000	Apr-Sept	2525	3789	132
Flaming Gorge Inflow (19)	1,350	Apr-July	1180	1129	120
Lake Powell Inflow (8)	9,300	Apr-July	5483	7692	121
Green at Green River, Utah (19)	4,300	Apr-Sept	2875	3368	128
San Juan nr Bluff, Utah (20)	1,500	Apr-Sept	644	1172	128

(17) Observed flow plus change in storage in Moon Lake Reservoir. (18) Observed flow plus change in storage in Scofield Reservoir. (19) Observed flow plus change in storage in Flaming Gorge and Big Sandy Reservoirs. (20) Observed flow plus change in storage in Navajo Reservoir. (21) Observed flow at Lee's Ferry plus change in storage in Flaming Gorge, Navajo, Lake Powell and Big Sandy.

### GENERAL FOOTNOTES

(a) Runoff forecasts are based principally on mountain snow cover and on the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts. The discharge data is taken from preliminary records of the U.S. Geological Survey. (b) 1948-62, 15 year period. \*Partly estimated.





# RESERVOIR STORAGE ( 1,000 Ac. Ft. )

BASIN or STREAM	RESERVOIR	USABLE CAPACITY	MEASURED ( FIRST OF MONTH)		
			THIS YEAR	LAST YEAR	AVERAGE <sup>a</sup>
GREAT BASIN					
<u>Bear River</u>	Bear Lake	1421.0	926.8	724.0	894.3
	Woodruff Narrows	26.5	22.0	13.8	- -
<u>Beaver River</u>	Rocky Ford	23.3	8.1	7.4	12.5
<u>Little Bear</u>	Hyrum	15.3	6.7	11.7	10.8
	Porcupine	11.3	2.9	- -	- -
<u>Ogden</u>	Pineview	110.0	61.6	48.8	11.1
<u>Provo</u>	Deer Creek	149.7	111.1	96.0	92.3
<u>Sevier River</u>	Otter Creek	52.5	18.4	17.0	27.6
	Piute	74.0	32.0	21.0	38.9
	Sevier Bridge	236.1	50.7	45.8	108.2
<u>Spanish Fork</u>	Strawberry	270.0	64.1	54.5	135.6
<u>Utah Lake</u>	Utah Lake (b)	1149.0	444.4	288.9	587.3
<u>Weber</u>	East Canyon	28.7	0.0	19.5	13.4
	Echo	73.9	56.0	38.4	29.3
	Rockport	60.9	38.2	25.7	17.5 <sup>c</sup>
	Willard Bay	215.0	62.3	- -	- -

## COLORADO RIVER DRAINAGE

<u>Ashley Creek</u>	Steinaker	33.3	15.2	9.4	- -
<u>Colorado</u>	Lake Powell	27,000.0*	6,223.0	3,119.0	- -
<u>Green</u>	Flaming Gorge	3,789.0*	826.3	863.7	- -
<u>Lake Fork</u>	Moon Lake	35.8	11.3	20.3	14.6
<u>Price River</u>	Scofield	65.8	13.9	10.3	19.6
<u>San Juan</u>	Navajo	1,709.0*	265.4	326.7	- -

All data contained in this table supplied by the U.S. Geological Survey

\* - Total capacity reported

All data contained in this table supplied by the U.S. Geological Survey.

(a) 1948-62 average. (b) Active capacity taken at 3.1 feet above compaction point. (c) Partly estimated.

(d) Total capacity reported.



# COMPARISON of SNOW COVER

RIVER BASIN or TRIBUTARY WATERSHED	NO. of COURSES AVERAGE	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	AVERAGE *

## GREAT BASIN

Smith's Fork - Bear River(Wyo)	5	180	154
Strawberry-Mink Creeks(Ida)	3	184	130
Cub River (Ida)	3	146	121
Logan River	5	133	141
Blacksmith Fork-Little Bear	5	171	118
Malad River(Idaho)	2	174	146
Ogden River	5	163	115
Weber River above Echo Dam	8	233	138
Chalk Creek - Coalville	3	191	140
East Canyon Creek	3	223	140
Farmington Creek	2	211	142
Salt Lake Area	4	219	139
Tooele Area	1	129	122
American Fork River	5	189	104
Provo River above Vivian Park	6	240	132
Strawberry Reservoir Valley	3	217	111
Spanish Fork River	4	207	130
Hobble Creek	2	162	112
Mt. Nebo Area	2	146	113
Sevier River above Panguitch	5	284	89
East Fork Sevier River	4	218	75
Clear Creek above Sevier	1	177	106
Salina Creek	2	161	146
San Pitch River	6	198	117
Chicken Creek - Levan	1	200	137
Chalk Creek - Fillmore	3	136	120
Beaver River	3	283	89
Parowan Creek	2	232	146
Coal Creek - Cedar City	4	230	90
Enterprise - New Harmony	1	203	75

## COLORADO RIVER BASIN

Duchesne River above Tabiona	3	272	141
Strawberry River	4	320	127
Lakefork River	2	318	126
Whiterocks-Uintah Rivers	3	270	100
Ashley Creek	4	273	102
Price River	7	342	130
San Rafael Tributaries	4	274	144
Fremont River	4	272	130
Escalante River	3	172	60
Virgin River	4	286	85
LaSal Mtns. Near Moab	2	252	88
Blue Mtns. nr Monticello	2	526	117

\* Actual or Estimated 1948-62, 15 year Average.



## SNOW

SNOW				CURRENT INFORMATION			PAST RECORD	
DRAINAGE BASIN and SNOW COURSE				DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION	LAST YEAR				AVERAGE <sup>a</sup>	

## GREAT BASIN DRAINAGE

UPPER BEAR RIVER  
(Above Harer, Idaho)

Big Park	10G11	8700	2/25	71	27.4	14.1	17.5*
CCC Camp x	10G7	7500	2/25	48	16.3	9.6	10.4
Kelly Ranger Station	10G12	8200	2/25	68	25.3	13.6	18.7*
Monte Cristo R.S.	11H12	8960	2/23	78	26.9	14.5	21.5*
Piney LaBarge x	10G10	8820	2/26	67	27.5	16.1	17.8
Poison Meadows x	10G6	8500	3/1	106A	42.0A	19.0	24.4
Salt River Summit x	10G8	7900	2/25	60	22.1	12.5	13.3
Trial Lake x	10J8	9800	2/27	86	35.7	12.1	23.0*

LOWER BEAR RIVER  
(Below Harer, Idaho)

Beaver Crk-Skunk Crk	11H14	7150	2/23	42	12.4	7.6	11.1*
Christensen Ranch	11G11	5600	2/25	28	8.4	7.1	9.0*
Cub River R.S.	11G12	5400	2/25	26	8.6	8.3	9.4*
Dry Bread Pond x	11H13	8230	2/23	59	18.6	10.0	16.0*
Dry Creek Flat	12G4	6350	2/26	25	9.4	7.0	6.9*
Emigration Canyon	11G7	6500	2/23	37	13.4	7.2	- -
Emigrant Summit	11G6	7700	2/23	82	31.2	15.4	- -
Garden City Summit	11H7	7600	2/26	63	23.1	12.2	16.8*
Klondike Narrows	11H1	7400	2/26	71	27.4	13.8	18.0*
Little Bear(lower)	11H26	6100	2/24	26	7.6	7.2	8.6*
Little Bear(upper)	11H25	6850	2/24	36	10.6	8.2	10.6*
Monte Cristo R.S.	11H12	8960	2/23	78	26.9	14.5	21.5*
Oxford Mountain	12G3	6800	2/26	38	13.7	6.4	8.7*
Slug Creek Divide	11G5	7225	2/23	59	20.2	12.0	- -
Steep Hollow #1	11H27	8500	2/26	115	44.9	24.4	30.5*
Steep Hollow #2	11H28	7700	2/26	90	35.4	18.5	23.5*
Strawberry Creek	11G9	5800	2/26	37	12.6	8.3	11.1*
Strawberry Mink Divide	11G10	6800	2/26	68	28.4	14.4	19.3*
Tony Grove R.S.	11H3	6250	2/26	41	13.1	8.5	11.4*
Willow Flat	11G4	6100	2/25	47	17.1	12.6	14.3*

## OGDEN RIVER

Beaver Crk-Skunk Crk.	11H14	7150	2/23	42	12.4	7.6	11.1*
Ben Lomond(lower)	11H9	5850	2/24	40	13.4	11.7	13.0*
Ben Lomond Peak	11H8	8000	2/24	94	35.8	21.5	29.5*
Ben Lomond Trail	11H30	6000	2/24	45	16.1	12.3	- -
Cutler Creek	11H29	6780	2/24	76	29.2	18.0	- -
Dry Bread Pond	11H13	8230	2/23	59	18.6	10.0	16.0*
Horse Ridge	11H21	8260	2/19	72	27.0	13.1	- -
Monte Cristo R.S.	11H12	8960	2/23	78	26.9	14.5	21.5*
Sagebrush Flat	11H15	6300	2/23	11	3.1	5.6	4.7*

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. \* Estimated 1948-62, 15 year average.





## SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

WEBER RIVER

Beaver Creek R.S.	11J24	7500	2/26	33	10.9	4.7	8.4*
Chalk Creek #1	11J1	9100	2/23	87	27.2	12.2	19.2*
Chalk Creek #2	11J2	8000	2/23	59	17.4	8.6	12.1*
Chalk Creek #3	11J3	7500	2/23	34	8.9	6.0	6.7*
Farmington Canyon(lower)	11J12	6950	2/26	66	23.9	13.4	19.6*
Farmington Canyon(upper)	11J11	8000	2/26	91	36.1	14.8	22.3*
Horse Ridge	11H21	8260	2/19	72	27.0	13.1	- -
Kilfore Creek	11H31	7300	2/19	46	14.7	7.4	- -
Lamb's Canyon x	11J14	6600	2/26	53	18.6	7.0	13.3*
Lost Creek Reservoir	11H32	6125	2/19	18	6.1	0.0	- -
Parley's Canyon Smt.	11J15	7500	2/27	61	23.8	11.8	15.8*
Redden Mine(lower)	11J6	8500	2/24	60	20.2	9.1	15.9*
Redden Mine(upper)	11J5	9000	2/24	64	23.0	10.5	17.3*
Silver Lake x	11J16	8725	2/25	70	26.7	13.3	20.5
Smith & Morehouse	11J4	7600	2/25	48	16.0	7.0	11.7*
Trial Lake x	10J8	9800	2/27	86	35.7	12.1	23.0*

PROVO RIVER & UTAH LAKE

Camp Altamont	11J20	7300	2/26	40	13.6	8.4	14.9
Clear Creek Ridge #1	11K21	9200	2/24	61	21.6	9.3	15.5*
Clear Creek Ridge #2	11K22	8000	2/24	52	16.7	7.7	12.2*
Clear Creek Ridge #3	11K23	6600	2/24	27	9.1	4.1	6.9*
Daniels-Strawberry Smt.	11J23	8000	2/25	44	14.2	6.2	13.4
Dutchman R.S.	11J17	7500	2/26	51	18.6	7.8	17.1*
East Portal	11J7	7560	2/26	36	11.6	5.2	10.6
Hobble Creek Summit	11J22	7300	2/25	40	14.0	8.8	12.4*
Packard Canyon	11J31	6400	2/25	33	10.8	6.5	9.6*
Payson R.S.	11K1	8050	2/25	51	17.7	11.2	15.7*
Rock Bridge	11K2	6750	2/25	38	12.4	9.2	11.0*
Soapstone R.S.	11J25	7800	2/27	51	19.0	6.5	11.7
South Fork R.S.	11J19	6100	2/26	17	5.6	5.6	6.2
Strawberry Divide	11J8	8000	2/26	56	20.8	10.4	17.7
Timpanogos Cave Camp	11J18	5500	2/26	6	2.2	4.1	3.3*
Timpanogos Divide	11J21	8140	2/26	64	25.8	15.4	22.8
Trial Lake	10J8	9800	2/27	86	35.7	12.1	23.0*

JORDAN RIVER & TOOELE VALLEY

Lamb's Canyon	11J14	6600	2/26	53	18.6	7.0	13.3*
Middle Canyon - Tooele	12J3	7000	2/26	42	14.2	11.0	11.6*
Mill D South Fork	11J10	7400	2/25	68	23.8	11.5	17.8*
Parley's Canyon Smt.x	11J15	7500	2/27	61	23.8	11.8	15.8*
Silver Lake	11J16	8725	2/25	70	26.7	13.3	20.5

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. \* Estimated 1948-62, 15 year average.



## SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

UPPER SEVIER RIVER  
(South of Richfield, Utah)

Big Flat x	12L7	10290	2/23	45	14.3	5.8	15.0*
Box Creek	12L4	9800	2/27	45	13.5	5.7	10.2*
Bryce Canyon	12M8	8000	2/26	16	3.7	1.3	4.9*
Castle Valley	12M13	9700	2/26	35	10.4	6.3	12.0*
Cedar Breaks	12M1	10390	2/26	52	17.1	5.8	17.7*
Duck Creek R.S.	12M4	8560	2/25	35	11.3	3.2	12.8*
Fish Lake	11L3	8700	2/26	30	7.8	2.2	6.6*
Harris Flat R.S.	12M5	7700	2/25	22	7.2	1.6	7.9*
Kimberly Mine	12L6	8900	2/23	54	13.3	7.5	12.6*
Long Valley Jct. x	12M6	7500	2/25	0	0.0	0.0	4.0*
Midway Valley	12M2	9800	2/26	48	15.8	8.5	19.3*
Panguitch Lake	12M7	8200	2/26	11	3.6	0.8	4.1*
Squaw Springs	12L5	9300	2/27	29	7.7	3.0	5.9*
Widtsoe-Escalante Smt.	11M1	9500	3/1	18	4.4	2.2	6.8
Widtsoe-Escalante #2	11M2	9500	3/1	26	5.8	3.2	9.0*
Widtsoe-Escalante #3	11M3	9500	3/1	26	6.0	4.4	11.6*

LOWER SEVIER RIVER  
(Including San Pitch River)

Bear Canyon	12L3	7200	2/25	35	10.0	7.2	8.0*
Beaver Dams	11K13	8000	2/23	44	13.1	7.2	10.7*
Farnsworth Lake	11L1	9900	2/24	70	20.7	12.2	14.4*
G.B.R.C. Headquarters	11K11	8700	2/26	56	14.0	9.3	14.1*
G.B.R.C. Meadows	11K10	10000	2/26	72	25.9	12.3	20.5*
Gooseberry R.S.	11L2	8400	2/24	50	13.8	9.0	9.4*
Gooseberry Reservoir x	11K4	8700	2/25	53	18.2	9.9	17.0*
Mammoth R.S.-Ctnwood Crk.	11K3	8800	2/25	57	19.8	10.4	17.5*
Mt. Baldy R.S.	11K12	9500	2/23	72	25.0	9.3	18.8*
Pine Creek	12L1	8700	2/24	50	16.0	10.3	12.5*
Rees's Flat	11K36	7300	2/19	43	13.4	6.7	9.8*
Shingle Mill	12L11	6200	2/24	26	8.2	7.1	7.7*

BEAVER RIVER

Big Flat	12L7	10000	2/23	45	14.3	5.8	15.0*
Merchant's Valley	12L9	8200	2/23	24	7.4	1.9	8.5*
Otter Lake	12L8	9300	2/23	38	11.2	5.2	13.0*

PAROWAN CREEK

Ed Ward Flat	12M12	8300	2/24	34	9.7	4.0	6.0*
Yankee Reservoir	12M11	8700	2/24	40	10.0	4.5	7.7*

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation; Water content estimated. \* Estimated 1948-62, 15 year average.





## SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
						LAST YEAR	AVERAGE <sup>a</sup>

COAL CREEK

Cedar Breaks	12M1	10390	2/26	52	17.1	5.8	17.7*
Midway Valley x	12M2	9800	2/26	48	15.8	8.5	19.3*
Urie Flat	12M10	8450	2/26	20	6.4	2.5	6.4*
Webster Flat	12M3	9200	2/26	35	11.3	6.1	14.1*

ENTERPRISE TO NEW HARMONY DRAINAGES

Little Grassy Creek	13M4	6100	2/25	0	0.0	0.5	3.1*
Long Flat	13M2	8000	2/25	21	6.9	1.7	4.6*

## COLORADO RIVER DRAINAGE

## UPPER GREEN RIVER IN UTAH

(Tributaries above Flaming Gorge)

Black's Fork Jct.	10J22	8925	2/17	46	14.4	5.2	- -
Buck Pasture A	10J23	9700	2/25	68A	21.0A	8.0A	- -
East Fk. Black's Fork G.S.	10J21	9300	2/17	42	13.4	6.6	- -
Henry's Fork A	10J24	10200	2/25	61A	19.0A	8.1A	- -
Hewinta Guard Station	10J4	9500	2/17	41	12.5	5.7	7.5*
Hickerson Park	9J8	9100	2/24	26	6.7	4.5	- -
Spirit Lake	9J7	10300	2/24	43	11.9	8.8	- -
Steel Creek Park	10J20	9900	2/18	62	19.4	9.4	- -

GREEN RIVER TRIBUTARIES BETWEEN  
FLAMING GORGE & DUCHESNE RIVER

Ashley Twin Lakes A	9J11	10500	2/25	30A	8.7A	5.2A	- -
Kings Cabin(lower)	9J2	8600	3/1	32	8.4	3.2	8.2*
Kings Cabin(upper)	9J1	8730	3/1	36	9.5	4.1	9.4*
Reynolds Park A	9J10	10400	2/25	39A	11.3A	- -	- -
Windy Park A	9J12	9400	2/25	28A	7.6A	4.0A	- -

DUCHESNE RIVER

Atwood Basin A	10J27	10250	2/25	42A	13.0A	6.0A	- -
Chepeta-Whiterocks Lakes <sup>A</sup>	9J9	10300	2/25	39A	11.3A	6.4A	- -
Daniels-Strawberry Smt.x	11J23	8000	2/25	44	14.2	6.2	13.4
East Portal x	11J7	7560	2/26	36	11.6	5.2	10.6
Five Point Lake A	10J26	11000	2/25	60A	19.2A	10.8A	- -
Indian Canyon	10K1	9100	2/26	48	16.3	3.0	10.2
Julius Park	9J6	9800	2/25	38	11.0	5.2	11.7*
Lakefork Basin A	10J25	11100	2/25	75A	24.0A	13.8A	- -
Lakefork Mountain	10J10	10500	2/26	40	12.8	5.5	10.1*
Lakefork Mountain #2	10J11	8900	2/26	30	8.9	2.2	7.1*
Lakefork Mountain #3	10J12	8100	2/26	25	7.4	1.6	5.9*

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. \* Estimated 1948-62, 15 year average.



## SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

DUCHESNE RIVER - Continued

Mosby Mountain	9J5	9500	2/25	34	9.5	3.2	9.2*
Paradise Park	9J3	10100	2/25	35	10.8	3.6	10.6*
Soapstone R.S. x	11J25	7800	2/27	51	19.0	6.5	11.7
Strawberry Divide x	11J8	8000	2/26	56	20.8	10.4	17.7
Trial Lake x	10J8	9800	2/27	86	35.7	12.1	23.0*

PRICE RIVER

Corral	10K5	8200	2/26	39	12.8	1.7	7.6*
Dry Valley Divide	11K8	7800	2/24	41	13.2	3.7	10.2*
Gooseberry Reservoir	11K4	8700	2/25	53	18.2	9.9	17.0*
Grassy Trail Crk-Left Fk.	10K3	7970	2/26	38	11.0	2.0	8.5*
Indian Canyon x	10K1	9100	2/26	48	16.3	3.0	10.2
Jones Ranch	11K7	7600	2/24	27	8.8	1.9	7.3*
Mammoth R.S.-Ctnwd. Crk.x	11K3	8800	2/25	57	19.8	10.4	17.5*
Mud Creek #2	11K33	8300	2/24	51	16.4	4.4	11.3*
Timberline	10K6	9100	2/26	47	15.7	3.5	11.2*
White River #1	10K2	8600	2/25	48	16.4	5.8	12.2*
White River #2	11K24	7600	2/25	35	10.7	3.0	8.5*
White River #3	11K25	7400	2/25	31	9.8	3.0	8.0*

SAN RAFAEL RIVER

Buck Flat	11K31	9400	2/23	57	19.2	6.0	12.8*
Gooseberry Reservoir	11K4	8700	2/25	53	18.2	9.9	17.0*
Mammoth R.S.-Ctnwd Crk.x	11K3	8800	2/25	57	19.8	10.4	17.5*
Red Pine Ridge	11K28	9400	2/24	65	21.9	7.5	13.8*
Rush Pond	11K38	9800	2/23	53	17.4	4.4	11.6*
Seely Creek R.S.	11K9	10000	2/26	54	19.7	6.6	12.4*
Upper Joe's Valley	11K29	8800	2/24	44	13.3	2.9	7.9*
Wrigley Creek	11K32	9000	2/23	45	13.4	2.9	8.9*

MUDDY RIVER

Mt. Baldy R.S. x	11K12	9500	2/23	72	25.0	9.3	18.8*
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FREMONT RIVER

Black's Flat-UM Creek	11L4	9250	2/26	40	11.3	4.2	8.3*
Farnsworth Lake x	11L1	9900	2/24	70	20.7	12.2	14.4*
Fish Lake	11L3	8700	2/26	30	7.8	2.2	6.6*
Johnson Valley	11L6	8850	2/26	33	8.8	3.0	7.1*

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation; Water content estimated. \* Estimated 1948-62, 15 year average.



# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## ESCALANTE RIVER

Widtsoe-Escalante Smt.	11M1	9500	3/1	18	4.4	2.2	6.8
Widtsoe-Escalante #2	11M2	9500	3/1	26	5.8	3.2	9.0*
Widtsoe-Escalante #3	11M3	9500	3/1	26	6.0	4.4	11.6*

## VIRGIN RIVER

Cedar Breaks x	12M1	10390	2/26	52	17.1	5.8	17.7*
Duck Creek R.S.	12M4	8560	2/25	35	11.3	3.2	12.8*
Harris Flat R.S.	12M5	7700	2/25	22	7.2	1.6	7.9*
Long Valley Jct.	12M6	7500	2/25	0	0.0	0.0	4.0*
Midway Valley x	12M2	9800	2/26	48	15.8	8.5	19.3*
Webster Flat	12M3	9200	2/26	35	11.3	6.1	14.1*

## SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9M1	9000	2/18	42	13.1	3.4	11.4*
Camp Jackson	9M2	8600	2/18	43	12.3	1.9	10.3*
LaSal Mountain	9L1	8800	2/19	30	7.4	2.8	8.7*
LaSal Mountain(upper)	9L2	9600	2/19	46	13.0	5.4	14.4*

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. \* Estimated 1948-62, 15 year average.





# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948 - 62 AVERAGE	THIS YEAR	1948 - 62 AVERAGE	PERCENT OF AVERAGE
				a		a	
GREAT BASIN DRAINAGE							
UPPER BEAR RIVER (Above Harer, Idaho)							
Chalk Creek #2*	8000	2/23	2.89	3.20	17.69	13.85	128
Chalk Creek #3*	7500	2/23	2.09	- -	14.68	- -	- -
Monte Cristo #2	8960	2/23	2.71	5.20	28.40	23.30	122
Salt River Summit	7900	2/25	3.40	3.20	21.25	14.60	145
Trial Lake *	9800	2/27	2.75	3.90	26.34	19.45	135
LOWER BEAR RIVER (Below Harer, Idaho)							
Dry Bread Pond	8230	2/23	3.34	3.90	24.51	17.85	137
Garden City Summit	7600	2/26	1.56	3.40	25.38	15.50	164
Klondike Narrows	7400	2/26	2.33	4.20	31.69	19.20	165
Little Bear (upper)	6850	2/24	- -	- -	21.59	15.80	137
Monte Cristo #2	8960	2/23	2.71	5.20	28.40	23.30	122
Tony Grove R.S.(SCS)	6250	2/26	1.65	- -	25.08	- -	- -
Willow Flat	6100	2/25	2.40	4.30	- -	19.70	- -
OGDEN RIVER							
Ben Lomond(lower)	5850	2/24	2.04	4.85	28.85	21.15	136
Ben Lomond Trail	6000	2/24	2.69	5.10	30.07	22.15	136
Causey Dam	5500	2/23	1.40	- -	15.08	- -	- -
Dry Bread Pond	8230	2/23	3.34	3.90	24.51	17.85	137
Horse Ridge	8260	2/19	- -	- -	28.03	- -	- -
Monte Cristo #2*	8960	2/23	2.71	5.20	28.40	23.30	122
Sagebrush Flat	6300	2/23	1.50	2.45	16.84	11.80	143
WEBER RIVER							
Chalk Creek #2	8000	2/23	2.89	3.20	17.69	13.85	128
Chalk Creek #3	7500	2/23	2.09	- -	14.68	- -	- -
Farmington Guard Sta.(1)	7500	2/26	- -	4.80	30.38	23.80	128
Farmington Rice (1)	7000	3/1	2.75	4.62a	27.52	21.74a	126
Horse Ridge	8260	2/19	- -	- -	28.03	- -	- -
Lost Creek Reservoir	6125	2/19	- -	- -	12.66	- -	- -
Parley's Canyon Smt.	7500	2/27	- -	4.05	25.50	17.55	145
Silver Lake(Brighton)*(2)	8725	2/28	2.82	5.05a	29.82	23.42a	127
Smith & Morehouse	7600	2/25	3.55	3.05	19.89	14.95	133
Trial Lake *	9800	2/27	2.75	3.90	26.34	19.45	135

(1) Data supplied by U.S. Forest Service. (2) Data supplied by U.S. Weather Bureau. a - all values estimated except those where symbol "a" occurs. \*Adjacent drainage.



# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948 - 62 AVERAGE	THIS YEAR	1948 - 62 AVERAGE	PERCENT OF AVERAGE

a

a

## PROVO RIVER & UTAH LAKE

Clear Creek Ridge #2	8000	2/25	2.15	2.70	16.76	13.70	122
Daniels-Strawberry Smt.	8000	2/25	2.20	3.00	18.92	14.80	128
Dutchman R.S.	7500	2/26	- -	4.25	22.72	21.51	106
East Portal Ridge	7800	2/26	1.40	- -	17.36	- -	- -
Hobble Creek Smt.	7300	2/25	- -	- -	17.00	14.65	116
Payson R.S.	8050	2/25	3.25	3.00	18.42	14.65	126
Soapstone R.S.	7800	2/27	1.52	2.75	18.33	13.25	138
Strawberry Res.-E.Portal	7606	2/26	0.80	1.54a	10.10	8.76a	115
Timpanogos Divide	8200	2/26	1.95	4.25a	23.38	21.51a	109
Trial Lake	9800	2/27	2.75	3.90	26.34	19.45	135

## JORDAN RIVER & TOOELE VALLEY

Middle Canyon	7000	2/26	3.95	2.30	19.73	13.60	145
Mt. Dell Dam (2)	5500	2/28	1.22	2.41a	18.23	10.67a	171
Parley's Canyon Smt.	7500	2/27	- -	4.05	25.50	17.55	145
Silver Lake(Brighton)(2)	8725	2/28	2.82	5.05a	29.82	23.42a	127

## SEVIER RIVER ABOVE RICHFIELD

Big Flat*	10290	2/23	0.95	3.65	12.71	14.85	86
Box Creek	9800	2/27	- -	- -	12.72	10.55	121
Castle Valley	9700	2/26	- -	- -	10.84	13.60	80
Cedar Breaks	10390	2/26	- -	- -	13.36	17.80	75
Duck Creek R.S.	8560	2/25	1.38	3.75	11.86	15.75	75
Fish Lake	8700	2/26	- -	1.20	8.48	6.00	141
Kimberly Mine	8900	2/23	3.26	3.55	15.68	14.50	108
Panguitch Lake	8200	-	- -	- -	- -	6.10	- -
Webster Flat *	9200	2/26	2.77	5.00	13.79	17.00	81
Widtsoe-Escalante #3	9500	3/1	1.40	2.15	7.82	10.35	76
Widtsoe R.S.	7600	3/1	0.75	0.80a	2.62	4.26a	62

## SEVIER RIVER BELOW RICHFIELD (Including San Pitch River)

Beaver Dams	8000	2/23	4.07	- -	14.17	12.04	118
Farnsworth Lake	9900	2/24	4.35	3.90	19.65	15.05	131
G.B.R.C. Headquarters(1)	8700	2/26	2.85	3.74a	17.78	14.90a	119
G.B.R.C. Meadows (1)	10000	2/26	3.30	4.15a	20.70	16.46a	126
G.B.R.C. Oaks(1)	7655	2/26	1.90	2.65a	11.99	10.38a	116
Gooseberry R.S.(1)	7800	2/24	3.68	2.90	14.75	10.55	140
Gooseberry Reservoir *	8700	2/25	2.53	4.10	18.36	15.85	116
Mammoth R.S. #2 *	8600	2/25	2.58	4.05	19.36	15.70	123
Mt. Baldy	9500	2/23	- -	- -	17.35	- -	- -
Pine Creek	8700	2/24	- -	- -	19.50	18.85	103
Shingle Mill	6200	2/25	2.81	2.75	13.06	11.80	111

(1) Data supplied by U.S. Forest Service. (2) Data supplied by U.S. Weather Bureau. a - all values estimated except those where symbol "a" occurs. \*Adjacent drainage.



# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTHS PRECIPITATION	1948 - 62 AVERAGE	THIS YEAR	1948 - 62 AVERAGE	PERCENT OF AVERAGE

## BEAVER RIVER

Beaver Canyon P.H. (2)	7275	2/28	0.99	2.02a	5.86	7.89a	74
Big Flat	10290	2/23	0.95	3.65	12.71	14.85	86

## PAROWAN CREEK

Yankee Reservoir	8700	2/24	- -	- -	10.83	9.65	112
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## COAL CREEK

Cedar Breaks	10390	2/26	- -	- -	13.36	17.80	75
Webster Flat*	9200	2/26	2.77	5.00	13.79	17.00	81

## ENTERPRISE TO NEW HARMONY DRAINAGE

Little Grassy Creek	6100	2/25	- -	- -	6.62	9.60	69
Long Flat	8000	2/25	- -	- -	10.05	11.30	89

## COLORADO RIVER DRAINAGE

### UPPER GREEN RIVER IN UTAH (Tributaries above Flaming Gorge)

Black's Fork Jct.	8925	2/17	- -	- -	14.80	- -	- -
Burnt Creek	7900	2/26	1.53	- -	7.87	- -	- -
E.F. Black's Fork G.S.	9300	2/17	- -	- -	12.55	- -	- -
Hewinta G.S.	9500	2/17	- -	- -	13.75	- -	- -
Spirit Lake	10300	2/24	- -	- -	12.30	- -	- -

### GREEN RIVER TRIBUTARIES BETWEEN FLAMING GORGE & DUCHESNE RIVER

Grizzly Ridge	8500	2/26	1.26	- -	9.54	- -	- -
King's Cabin(upper)	8730	3/1	- -	- -	8.34	10.75	78

## DUCHESNE RIVER

Daniels-Strawberry Smt.*	8000	2/25	2.20	3.00	18.92	14.80	128
East Portal Ridge *	7800	2/26	1.40	- -	17.36	- -	- -
Indian Canyon	9100	2/26	1.60	2.55	14.44	12.70	114
Julius Park	9800	2/25	0.44	2.90	10.02	12.35	81
Lakefork Mountain	10500	2/26	1.05	2.50	12.82	11.65	110
Moon Lake	8150	2/27	0.25	1.19a	7.65	7.11a	108
Paradise Park	10100	2/25	1.03	3.10	10.98	13.25	83
Soapstone R.S.	7800	2/27	1.52	2.75	18.33	13.25	138
Strawberry Res.-E.Portal*	7606	2/26	0.80	1.54a	10.10	8.76a	115
Trial Lake*	9800	2/27	2.75	3.90	26.34	19.45	135

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# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948 - 62 AVERAGE	THIS YEAR	1948 - 62 AVERAGE	PERCENT OF AVERAGE

## PRICE RIVER

Clear Creek Ridge #2*	8000	2/24	2.15	2.70	16.76	13.70	122
Gooseberry Reservoir	8700	2/25	2.53	4.10	18.36	15.85	116
Indian Canyon	9100	2/26	1.60	2.55	14.44	12.70	114
Mammoth R.S. #2	8600	2/25	2.58	4.05	19.36	15.70	123
Mud Creek	8300	2/24	1.55	3.00	16.75	13.30	126
White River #1	8600	2/25	- -	- -	14.10	13.35	106

## SAN RAFAEL RIVER

Buck Flat	9400	2/23	2.20	3.60	18.75	13.75	136
G.B.R.C Meadows *(1)	10000	2/26	3.30	4.15	20.70	16.46	126
Gooseberry Reservoir *	8700	2/25	2.53	4.10	18.36	15.85	116
Red Pine Ridge	9400	2/24	2.95	4.30	21.85	16.40	133
Stuart R.S.	7950	No Survey	- -	- -	-	11.05	-

## MUDDY RIVER

Mt. Baldy R.S. *	9500	2/23	- -	- -	17.35	-	- -
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## FREMONT & ESCALANTE RIVERS

Black's Flat-U.M. Creek	9250	2/26	- -	- -	12.03	9.55	126
Farnsworth Lake *	9900	2/24	4.35	3.90	19.65	15.05	131
Fish Lake	8700	2/26	- -	1.20	8.48	6.00	141
Widtsoe-Escalante #3	9500	3/1	1.40	2.15	7.82	10.35	76

## VIRGIN RIVER

Duck Creek R.S.	8560	2/25	1.38	3.75	11.86	15.75	75
Webster Flat	9200	2/26	2.77	5.00	13.79	17.00	81

## SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9000	2/18	- -	- -	13.35	17.25	77
Camp Jackson	8600	2/18	- -	- -	11.05	13.60	81
LaSal Mountain(upper)	9600	2/19	- -	- -	12.15	16.40	74

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# Agencies Cooperating in Utah Snow Surveys

## U. S. GOVERNMENT AGENCIES

U. S. Department of Agriculture  
Soil Conservation Service  
Forest Service  
U. S. Department of Commerce  
Weather Bureau  
U. S. Department of Interior  
Bureau of Reclamation  
Geological Survey  
National Park Service

## STATE AGENCIES

Utah Agricultural Experiment Station  
Utah Fish and Game Department  
Utah State Engineer  
Bear River Commissioner  
Price River Commissioner  
Provo River Commissioner  
Sevier River Commissioners  
Spanish Fork River Commissioner  
Utah Lake and Jordan River Commissioner  
Utah Water and Power Board

## MUNICIPALITIES

Manti  
Salt Lake City

## ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association  
Board of Canal Presidents - Jordan River  
Emery Canal and Reservoir Company  
Moon Lake Water Users Association  
Ogden River Water Users Association  
Provo River Water Users Association  
Strawberry Water Users Association  
Sevier River Water Users Association

## PRIVATE AGENCIES

Kaiser Steel Corporation

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